College Town Primary School - Year 6 Overview

college Toz



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2			
Science: Working Scientifically	Plan different types of scientific enquiries to answer their own or others' questions, including recognising and controlling variables where necessary (Year 6 focus). Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate (Year 6 focus). Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs (Year 6 focus). Use test results to make predictions to set up further comparative and fair tests (Year 6 focus). Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms								
	 such as displays and other presentations (Year 6 focus). Identify scientific evidence that has been used to support or refute ideas or arguments (Year 6 focus). Describe and evaluate their own and other people's scientific ideas related to topics in the national curriculum (including ideas that have changed over time), using evidence from a range of sources. Group and classify things and recognise patterns. Find things out using a wide range of secondary sources of information. 								
Science	Living things and their habitats Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals. Give reasons for classifying plants and animals based on specific characteristics.	Electricity Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches. Use recognised symbols when representing a	 anational curriculum to explain the explainance of the humans Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. Describe the ways in which nutrients and water are transported 	Evolution and inheritance Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.	Light and ShadowRecognise that light appears to travel in straight lines.Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.Explain that we see things because light travels from light sources to our eyes or from light sources to	Revision and Expansion Suggested Science Unit: Ethnic Minori and Women Scientists of the 21 Century Watch interviews of th Scientists. Consider the social, economic and racial prejudice against thes scientists. Complete STEM			

		simple circuit in a diagram.	within animals, including humans	Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.	objects and then to our eyes. Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	Scientists' unit. Each scientist has suggested activities that link to the Science studied by the scientist & timelines of their careers. e.g. Maggie Aderin-Pocock, Charlotte Armah, Sanjeev Guptah Science Week and running Science fair.
Art	WW2 Shadow Art Select ideas based on first hand observations, experience or imagination and develop these through open ended research. Refine his/her use of learnt techniques. Adapt his/her own final work following feedback or discussion based on their preparatory ideas. Describe the work and ideas of various artists, architects and designers, using appropriate vocabulary and referring to historical and cultural contexts. Explain and justify preferences towards different styles and artists. Begin to develop an awareness of composition, scale and proportion in their work.		Andy Warhol – Volcano Drawing Select ideas based on first hand observations, experience or imagination and develop these through open ended research. Refine his/her use of learnt techniques. Adapt his/her own final work following feedback or discussion based on their preparatory ideas. Describe the work and ideas of various artists, architects and designers, using appropriate vocabulary and referring to historical and cultural contexts. Explain and justify preferences towards different styles and artists. Begin to develop an awareness of			

		-			
	nple perspective	composition, scale and			
	work using a	proportion in their work.			
U U U U U U U U U U U U U U U U U U U	focal point and				
horizon).	Use techniques, colours,			
	a har fan staar in a die saar	tones and effects in an			
	chniques, colours,	appropriate way to			
	and effects in an	represent things seen - brushstrokes following			
	riate way to ent things seen -	the direction of the			
	trokes following	grass, stippling to paint			
	ection of the	sand, watercolour			
	stippling to paint	bleeds to show clouds.			
	vatercolour				
	to show clouds.				
		Use different techniques,			
Use diff	ferent techniques,	colours and textures			
colours	and textures	when designing and			
when d	lesigning and	making pieces of work			
	pieces of work	and explain his/her			
	plain his/her	choices.			
choices	S.				
		Follow a design brief to			
	a design brief to	achieve an effect for a			
	e an effect for a	particular function.			
рапси	lar function.				
Select i	ideas based on first hand observations, experie	ence or imagination and deve	lop these through open ende	d research.	
Refine	his/her use of learnt techniques.				
Adapt	his/her own final work following feedback or dis	evenion board on their prope	rotory ideas		
Adapt r	nis/ner own final work following feedback or dis	cussion based on their prepa	ratory ideas.		
Descrit	be the work and ideas of various artists, archite	cts and designers using ann	ropriate vocabulary and refer	ring to historical and cultura	l contexts
Describ		cis and designers, using appr	ophate vocabulary and refer	ning to mistorical and cultural	Comexis.
Explain	n and justify preferences towards different styles	s and artists.			
Begin te	to develop an awareness of composition, scale	and proportion in their work.			
Use sin	mple perspective in their work using a single for	cal point and horizon.			
	chniques, colours, tones and effects in an appro	opriate way to represent thing	is seen - brushstrokes follow	ing the direction of the grass	s, stippling to paint sand,
waterco	olour bleeds to show clouds.				
	fferent to also and a set of the			k = i = = =	
Use diff	fferent techniques, colours and textures when a	esigning and making pieces of	or work and explain his/her c	noices.	
Follow	a design brief to achieve an effect for a particul	lar function			
POllow	a design bher to achieve an enection a particul				

Computing	E- safety	Net - Searching	Using ICT –	Using ICT –	Using ICT –	Programming –
	Use technology	and Network -	Embedded in all	Embedded in all	Embedded in all	Link with
	respectfully and responsibly. Identify a range of ways to report concerns about content and contact in and out of school.	Microsoft Be discerning when evaluating digital content. Use filters in search technologies effectively and is discerning when evaluating digital content. Understand how computer networks enable computers to communicate and collaborate. Begin to use internet services within his/her own creations to share and transfer data to a third party.	Subjects Independently select, use and combine a variety of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information. Design and create a range of programs, systems and content for a given audience. Independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information.	subjects Independently select, use and combine a variety of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information. Design and create a range of programs, systems and content for a given audience. Independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information.	Subjects Independently select, use and combine a variety of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information. Design and create a range of programs, systems and content for a given audience. Independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information.	Sandhurst School Include use of sequences, selection and repetition with the hardware used to explore real world systems. Solves problems by decomposing them into smaller parts. Create programs which use variables. Use variables, sequence, selection, and repetition in programs. Use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms and programs efficiently.
Design Technology		Light up boxes Use research he/she has done into famous designers and inventors to inform the design of his/her own innovative products. Generate, develop, model and communicate his/her ideas through discussion, annotated sketches, cross- sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. Apply his/her knowledge of materials and		Great British Dishes Confidently plan a series of healthy meals based on the principles of a healthy and varied diet. Use information on food labels to inform choices. Research, plan and prepare and cook a savoury dish, applying his/her knowledge of ingredients and his/her technical skills.		Props for Play Use research he/she has done into famous designers and inventors to inform the design of his/her own innovative products. Generate, develop, model and communicate his/her ideas through discussion, annotated sketches, cross- sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design. Apply his/her knowledge of materials and

		techniques to refine and rework his/her product to improve its functional properties and aesthetic qualities.		techniques to refine and rework his/her product to improve its functional properties and aesthetic qualities.
		Use technical knowledge accurate skills to problem solve during the making process.		Use technical knowledge accurate skills to problem solve during the making process.
		Use his/her knowledge of famous designs to further explain the effectiveness of existing products and products he/she have made.		Use his/her knowledge of famous designs to further explain the effectiveness of existing products and products he/she have made.
		Use a wide range of methods to strengthen, stiffen and reinforce complex structures and can use them accurately and appropriately.		Use a wide range of methods to strengthen, stiffen and reinforce complex structures and can use them accurately and appropriately.
History	Life during WW2		How life has	Overview of
	Address and sometimes devise historically valid		changed since the	Earliest
	questions about change,		1940's	Civilisations –
	cause, similarity and		Describe a	Shang Dynasty
	difference, and significance.		chronologically secure knowledge and	Describe a non-
	signinounice.		understanding of British,	European society that provides contrasts with
	Construct informed responses that involve		local and world history, establishing clear	British history - one
	thoughtful selection and		narratives within and	study chosen from: early Islamic civilization.
	organisation of relevant		across the periods	including a study of
	historical information.		he/she studies.	Baghdad c. AD 900;
	Understand how our		Note connections,	Mayan civilization c. AD 900; Benin (West Africa)
	knowledge of the past is constructed from a		contrasts and trends over time and show	c. AD 900-1300
	range of sources.		developing appropriate	
	Make confident use of a		use of historical terms.	
	variety of sources for		Describe a local history	
	independent research.		study.	
			Describe a study of an aspect or theme in	

				British history that extends his/her chronological knowledge beyond 1066.		
Geography		Our Local Area Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied. Use the eight points of a compass, four and six- figure grid references, symbols and key (including the use of Ordnance Survey maps) to build his/her knowledge of the United Kingdom and the wider world. Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies. Use maps, charts etc. to support decision making about the location of places new bypass.	Extreme Earth Describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle. Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water. Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night).			
Music	Out of the Ark harvest songs	Christmas Carol Concert songs –	Instruments: Beginner Keyboard	Exploring notation further	Using chords and structure	End of year play songs
	Harvest Samba Harvest song	Vocal score (sheet music) Sing as part of an ensemble with full	Course Sing as part of an ensemble with full	Sing as part of an ensemble with full confidence and precision.	This could include keyboards or glockenspiels to practise chords	Sing as part of an ensemble with full confidence and precision.

	confidence and	confidence and	Play and perform in solo	Sing as part of an ensemble with full	Play and perform in solo or ensemble contexts
Sing as part of an	precision.	precision.	or ensemble contexts with increasing	confidence and	or ensemble contexts with increasing
ensemble with full	Play and perform in solo	Play and perform in solo	accuracy, control,	precision.	accuracy, control,
confidence and	or ensemble contexts	or ensemble contexts	fluency and expression.		fluency and expression.
precision.	with increasing	with increasing		Play and perform in solo	nuclicy and expression.
Discourse dans aforma in a sta	accuracy, control,	accuracy, control,	Create a simple	or ensemble contexts	Create a simple
Play and perform in solo	fluency and expression.	fluency and expression.	composition and record	with increasing	composition and record
or ensemble contexts with increasing			using formal notation.	accuracy, control,	using formal notation.
accuracy, control,	Develop a deeper	Create a simple	3	fluency and expression.	3
fluency and expression.	understanding of the	composition and record	Develop a deeper	, , , , , , , , , , , , , , , , , , ,	Develop a deeper
indency and expression.	history and context of	using formal notation.	understanding of the	Create a simple	understanding of the
Develop a deeper	music.		history and context of	composition and record	history and context of
understanding of the		Appropriately discuss	music.	using formal notation.	music.
history and context of	Appropriately discuss	the dimensions of music			
music.	the dimensions of music	and recognise them in	Appropriately discuss	Develop a deeper	Appropriately discuss
	and recognise them in	music heard.	the dimensions of music	understanding of the	the dimensions of music
Appropriately discuss	music heard.		and recognise them in	history and context of	and recognise them in
the dimensions of music	Listen with attention to	Listen with attention to detail and recall sounds	music heard.	music.	music heard.
and recognise them in	detail and recall sounds	with increasing aural	Listen with attention to	Appropriately discuss	Listen with attention to
music heard.	with increasing aural	memory and accuracy.	detail and recall sounds	the dimensions of music	detail and recall sounds
	memory and accuracy.	memory and accuracy.	with increasing aural	and recognise them in	with increasing aural
Listen with attention to	memory and accuracy.	Deepen an	memory and accuracy.	music heard.	memory and accuracy.
detail and recall sounds		understanding and use	moniory and accuracy.		
with increasing aural	Appreciate and understand a wide range	of formal, written	Appreciate and	Listen with attention to	Appreciate and
memory and accuracy.	of high-quality live and	notation which includes	understand a wide range	detail and recall sounds	understand a wide range
	recorded music drawn	staff, semibreves and	of high-quality live and	with increasing aural	of high-quality live and
Appreciate and	from different traditions	dotted crotchets.	recorded music drawn	memory and accuracy.	recorded music drawn
understand a wide range	and from great		from different traditions		from different traditions
of high-quality live and recorded music drawn	composers and	Improvise and compose	and from great	Appreciate and	and from great
from different traditions	musicians.	music for a range of	composers and	understand a wide range	composers and
and from great		purposes using the inter-	musicians.	of high-quality live and	musicians.
composers and	Deepen an	related dimensions of	-	recorded music drawn	
musicians.	understanding and use	music.	Deepen an	from different traditions	Deepen an
musiciano.	of formal, written		understanding and use	and from great	understanding and use of formal. written
	notation which includes		of formal, written notation which includes	composers and	notation which includes
	staff, semibreves and		staff, semibreves and	musicians.	staff, semibreves and
	dotted crotchets.		dotted crotchets.		dotted crotchets.
				Deepen an	
			Improvise and compose	understanding and use of formal. written	Improvise and compose
			music for a range of	of formal, written notation which includes	music for a range of
			purposes using the inter-	staff, semibreves and	purposes using the inter-
			related dimensions of	dotted crotchets.	related dimensions of
			music.	Improvise and compose	music.
				music for a range of	
				purposes using the inter-	
				, , , , , , , , , , , , , , , , , , ,	

					related dimensions of music.	
RE	Christianity Explain how beliefs, practices and community can support of determine responses to matters of life and death.	Christianity Give examples of how core beliefs can be interpreted in different ways leading to diverse expression and behaviour.	Sikhism Describe and explain what motivates and inspires believers and how this can be reflected in actions/practice. Explain and Demonstrate how and why believers shoe courage and commitment.	Christianity How can music and the arts help express and communicate religious beliefs? How well does faith help people cope with matters of life and death?	Sikhism Do Rites of Passage always help a believer to feel connected to Guru Nanak and their community? What difference might it make to believe in Guru Nanak as creator?	Christianity How can music and the arts help express and communicate religious beliefs? How well does faith help people cope with matters of life and death?
	Explain How Religious Bel Between Religions. Explain The Reasons For Explore And Suggest Rea	Diverse Forms Of Expressio sons For His/Her Own And (actices And Lifestyles And Ex n In Religious Teachings, In Other People's Views, Includ	xplore How These Beliefs Ar cluding Sacred Texts, Both V ing Religious Ideas About H ge Of Ultimate Questions And	Nithin And Between Religion uman Identity And Experienc	ns. 5e.
Spanish	The Date Revision (IN)	Habitats (IN)	Clothes (IN)	ore His/Her Own Views And At School (PR)	Those Of Others In Relation At the Weekend (PR)	To These Issues. Vikings (PR)
	Understand longer and mo Read aloud and understar Attempt to read a range of	nd a short text containing uni	nge of topic areas, recognisi familiar words, using accurat	ng some details and opinion re pronunciation. neaning.	s heard.	

	Write a range of phrases and sentences from memory and adapt them to write his/her own sentences on a similar topic.							
	Select appropriate adjectiv	res to describe a range of thi	ings, people and places and	appropriate verbs to describ				
PSHE	Select appropriate adjective Being Me in My World Identify my goals for this year, understand my fears and worries about the future and know how to express them. Know that there are universal rights for all children but for many children these rights are not met. Understand that actions affect other people locally and globally. Make choices about own behaviour and understand how rewards and consequences feel and understand how these relate to rights and responsibilities. Understand how an individual's behaviour can impact on a group. Understand how democracy and having a voice benefits the school community. British Values Covered Democracy Rule of Law Individual Liberty				<i>.</i>	Changing Me Aware of my own self – image and how my body image fits into that. Explain how girls' and boys' bodies change during puberty and understand the importance of looking after yourself physically and emotionally. Can ask questions about changes during puberty. Describe how a baby develops from conception through the nine months of pregnancy and how it is born. Understand how being physically attracted to someone changes the nature of the relationship. Identify what I am looking forward to and what worries me about transition to secondary school. British Values Covered Individual Liberty Mutual Respect		
PE	Mutual Respect Tolerance of those of different faiths and beliefs Tag Rugby Perform a 'drop-kick'.	Hockey	Gymnastics	different faiths and beliefs Basket Ball	Cricket	different faiths and beliefs Athletics		

	Strike a ball with a range	Develop flexibility,	Perform a 'basketball	Strike a ball with a range	Use running, jumping,
When planning activities and actions, take into	of bats for accuracy and distance.	strength, technique, control and balance.	dribble'.	of bats for accuracy and distance.	throwing and catching in isolation and in
	,		dribble'. When planning activities and actions, take into account a range of strategies, tactics and routes to success, considering his/her strengths and weaknesses and the strengths and weaknesses of others. Analyse, modify and refine skills and techniques and how these are applied. Consider how specific aspects of an activity or performance can		
possible strategy.	performance can influence the outcome and suggest the best possible strategy.	performance can influence the outcome and suggest the best possible strategy.	influence the outcome and suggest the best possible strategy.	performance can influence the outcome and suggest the best possible strategy.	Analyse, modify and refine skills and techniques and how these are applied. Consider how specific aspects of an activity or performance can influence the outcome and suggest the best possible strategy.